

CLAIMS

1. A screen printing apparatus in which a squeegee mounted at an angle with respect to the sliding direction is slid on a screen to force a paste-like coating agent, supplied on said screen, to a substrate provided in contact with the underside of said screen, via an opening formed in said screen, said apparatus comprising

at least one partitioning means mounted substantially upright to a contact slide surface between said squeegee and said screen; and

coating agent leakage prohibiting means provided to both ends of said squeegee and having a coating agent control guide inclined relative to a normal line to the surface of said screen towards the center of a printing sphere as defined by a width of said squeegee, said coating agent leakage prohibiting means having a site of contact with said screen protected with an elastic material.

2. The screen printing apparatus according to claim 1 wherein said coating agent is a cream solder and wherein said substrate is a circuit substrate.

3. The screen printing apparatus according to claim 1 wherein said squeegee and/or said coating agent control guide include curved surfaces facing said printing sphere with concave surfaces.

4. The screen printing apparatus according to claim 1 wherein said squeegee and/or said partitioning means is inclined at a preset angle relative to the sliding direction.